

Title (en)

Device to take in fumes and cool the roof of electric furnaces

Title (de)

Gasabzugs- und Kühlungsanordnung für einen Elektrolichtbogenofen

Title (fr)

Conduit d'évacuation des fumées et dispositif de refroidissement pour four à arc

Publication

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Application

EP 01120337 A 20010824

Priority

IT UD20000161 A 20000829

Abstract (en)

Device take in fumes and cool the roof (10) of electric furnaces comprising a central aperture (11) into which an electrode can be inserted and a peripheral aperture (12) to take in and discharge the fumes. Said device comprises a first cooling system (13) for the central zone cooperating with the central aperture (11) and a second system (15) to take in and convey the fumes, wherein the first cooling system (13) includes a circular cyclone chamber (18) comprising a plurality of turns (19) able to cool the zone surrounding said central aperture (11).

IPC 1-7

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IPC 8 full level

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